



Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 65071

Application ID: 10698180



Title of Invention:

OPTIMAL SPREADER SYSTEM,  
DEVICE AND METHOD FOR FLUID  
COOLED MICRO-SCALED HEAT  
EXCHANGE

First Named Inventor: Girish Upadhyia

Domestic/Foreign Application: Domestic Application

Filing Date: 2003-10-30

Effective Receipt Date: 2004-07-22

Submission Type: Information Disclosure  
Statement

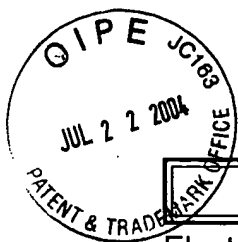
Filing Type:

Confirmation number: 9903

Attorney Docket Number: NONE

Total Fees Authorized:


Digital Certificate Holder: cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and  
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US  
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## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

<b>Title of Invention</b>	<b>OPTIMAL SPREADER SYSTEM, DEVICE AND METHOD FOR FLUID COOLED MICRO-SCALED HEAT EXCHANGE</b>									
<p>Application Number: 10/698180 </p> <p>Date: 2003-10-30</p> <p>First Named Applicant: Girish Upadhyia</p> <p>Confirmation Number: 9903</p> <p>Attorney Docket Number:</p>										
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Thomas B. Haverstock Registered Number: 32571</td><td>/tbh/</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney		
Submitted by:	Elec. Sign.	Sign. Capacity								
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney								
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>COOL00800-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-ids	COOL00800-usidst.xml		us-ids.dtd		us-ids.xsl
Documents being submitted	Files									
us-ids	COOL00800-usidst.xml									
	us-ids.dtd									
	us-ids.xsl									
<b>Comments</b>										



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

OPTIMAL SPREADER SYSTEM, DEVICE AND METHOD  
FOR FLUID COOLED MICRO-SCALED HEAT EXCHANGE

Application Number: 10/698180  
Confirmation Number: 9903  
First Named Applicant: Girish Upadhya  
Attorney Docket Number:



Search string: ( 3948316 or 4467861 or 4574876 or 4884630  
or 4903761 or 5016090 or 5161089 or 5179500  
or 5228502 or 5239443 or 5265670 or 5269372  
or 5275237 or 5310440 or 5346000 or 5388635  
or 5945217 or 5978220 or 5993750 or 6019165  
or 6034872 or 6039114 or 6253832 or 6257320  
or 6330907 or 6336497 or 6366462 or 6367544  
or 6431260 or 6466442 or 6519151 or 6533029  
or 6536516 or 6601643 or 6609560 or 6651735  
or 6729383 or 20030213580 ).pn.

Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3948316	1976-04-06	Souriau			
	2	4467861	1984-08-28	Kiseev et al.			
	3	4574876	1986-03-11	Aid			
	4	4884630	1989-12-05	Nelson et al.			

	5	4903761	1990-02-27	Cima	
	6	5016090	1991-05-14	Galyon et al.	
	7	5161089	1992-11-03	Chu et al.	
	8	5179500	1993-01-12	Koubek et al.	
	9	5228502	1993-07-20	Chu et al.	
	10	5239443	1993-08-24	Fahey et al.	
	11	5265670	1993-11-30	Zingher	
	12	5269372	1993-12-14	Chu et al.	
	13	5275237	1994-01-04	Rolfson et al.	
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	19	5993750	1999-11-30	Ghosh et al.	
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	21	6034872	2000-03-07	Chrysler et al.	
	22	6039114	2000-03-21	Becker et al.	
	23	6253832	2001-07-03	Hallefalt	B1
	24	6257320	2001-07-10	Wargo	B1
	25	6330907	2001-12-18	Ogushi et al.	B1
	26	6336497	2002-01-08	Lin	B1
	27	6366462	2002-04-02	Chu et al.	B1
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	29	6431260	2002-08-13	Agonafer et al.	B1
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	32	6533029	2003-03-18	Phillips	B1
	33	6536516	2003-03-25	Davies et al.	B2
	34	6601643	2003-08-05	Cho et al.	B2
	35	6609560	2003-08-26	Cho et al.	B2
	36	6651735	2003-11-25	Cho et al.	B2
	37	6729383	2004-05-04	Cannell et al.	B1

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20030213580	2003-11-20	Philpott et al.	A1		

Signature

Examiner Name	Date